



Docket No.: 261122US40

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

ATTORNEYS AT LAW

RE: U.S. Patent:

7,109,659

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Issued:

September 19, 2006

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Application Serial No.:

10/991,415

Filing Date:

November 19, 2004

Applicants:

Takeshi KAMOI

For: HIGH-INTENSITY DISCHARGE LAMP BALLAST
AND METHOD FOR OPERATING HIGH-
INTENSITY DISCHARGE LAMP

Group Art Unit: 2821

Examiner: VO, TUYET THI

SIR:

Attached hereto for filing are the following papers:

**Request for Certificate of Correction
Certificate of Correction with Corrected Figure 4 (in duplicate)**

Our check in the amount of \$100.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Richard D. Kelly

Registration No. 27,757

Certificate

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of Correction

Customer Number

22850

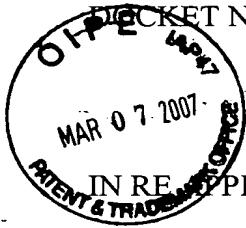
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RECEIPT NO: 261122US40

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF

TAKESHI KAMOI

SERIAL NO: 10/991,415

FILED: NOVEMBER 19, 2004

: PATENT NO: 7,109,659

: SEPTEMBER 19, 2006

: GROUP ART UNIT: 2821

: EXAMINER: VO, TUYET THI

FOR: HIGH-INTENSITY DISCHARGE
LAMP BALLAST AND METHOD FOR
OPERATING HIGH-INTENSITY
DISCHARGE LAMP

REQUEST FOR CERTIFICATE OF CORRECTION

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

The following is a request for a Certificate of Correction in Serial Number 10/991,415, now Patent number 7,109,659 (hereinafter, "the '659 patent").

In accordance with the provisions of Rule 1.322 of the Rules of Practice, which implement 35 U.S.C. §255, the Patent Office is respectfully requested to issue a Certificate of Correction in the above-identified patent to correct an error of minor character as discussed below.

The '659 patent includes Figure 4 which is a sequence diagram showing an operation of a high-intensity discharge lamp when a slow leak occurs in the lamp. The '659 patent states in column 7, lines 37-67, as follows:

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"In the case of FIG. 4, due to the slow leak in the HID lamp (La), the lamp voltage (V_{la}) does not reach the threshold voltage (V_{sl}). When the time measured by the timer circuit 4e2 exceeds the predetermined length of time and the detected lamp voltage (V_{la}) is still lower than the threshold voltage (V_{sl}), the slow leak detection circuit 4e determines that there is a slow leak in

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the HID lamp (La) and switches its output from the L signal to the H signal. The switching circuit 4f2 receives this H signal and turns off the buck converter 2 to stop the power supply to the HID Lamp (La). *When the buck converter 2 stops supplying the power to the HID lamp (La), the lamp voltage (Vla) becomes substantially equal to zero.* The voltage comparison circuit 4e1 continues to output the H signal to the OR circuit 6, and thus the TRIAC control circuit 5a supplies the pulse to the TRIAC (Q51) to turn on the TRIAC (Q51). As a result, the auxiliary lamp (IL) remains turned on, receiving the effective voltage substantially equal to the rated voltage of the auxiliary lamp (IL) produced by the phase control of the source voltage (Vs)." (emphasis added)

However, the profile of the lamp voltage (Vla) in Figure 4 filed on November 19, 2004, is not consistent with the above descriptions in the '659 patent. Specifically, instead of reaching substantially zero as discussed in the specification, the lamp voltage (Vla) continues to increase in Figure 4. Therefore, for the purpose of clarification, Applicant respectfully requests that Figure 4 which appears in the '659 patent be replaced with corrected Figure 4 attached herewith.

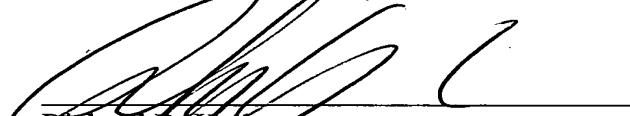
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Patent No. 7,109,659
Request for Certificate of Correction

Applicant respectfully submits that the aforementioned error in the drawing is of minor character and occurred in good faith, and the correction thereof is not believed to entail re-examination or constitute new matter. If, however, the Examiner disagrees, the Examiner is invited to telephone the undersigned who will be happy to work in a joint effort to derive a mutually satisfactory solution. The required fee in the amount of \$100.00 is submitted herewith, and the requested corrections are listed on Form PTO-1050.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,109,659
DATED: September 19, 2006
INVENTOR(S): Takeshi KAMOI

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Please replace Fig. 4 with the corrected Fig. 4 attached herewith.

Mailing address of sender:

Patent No. 7,109,659

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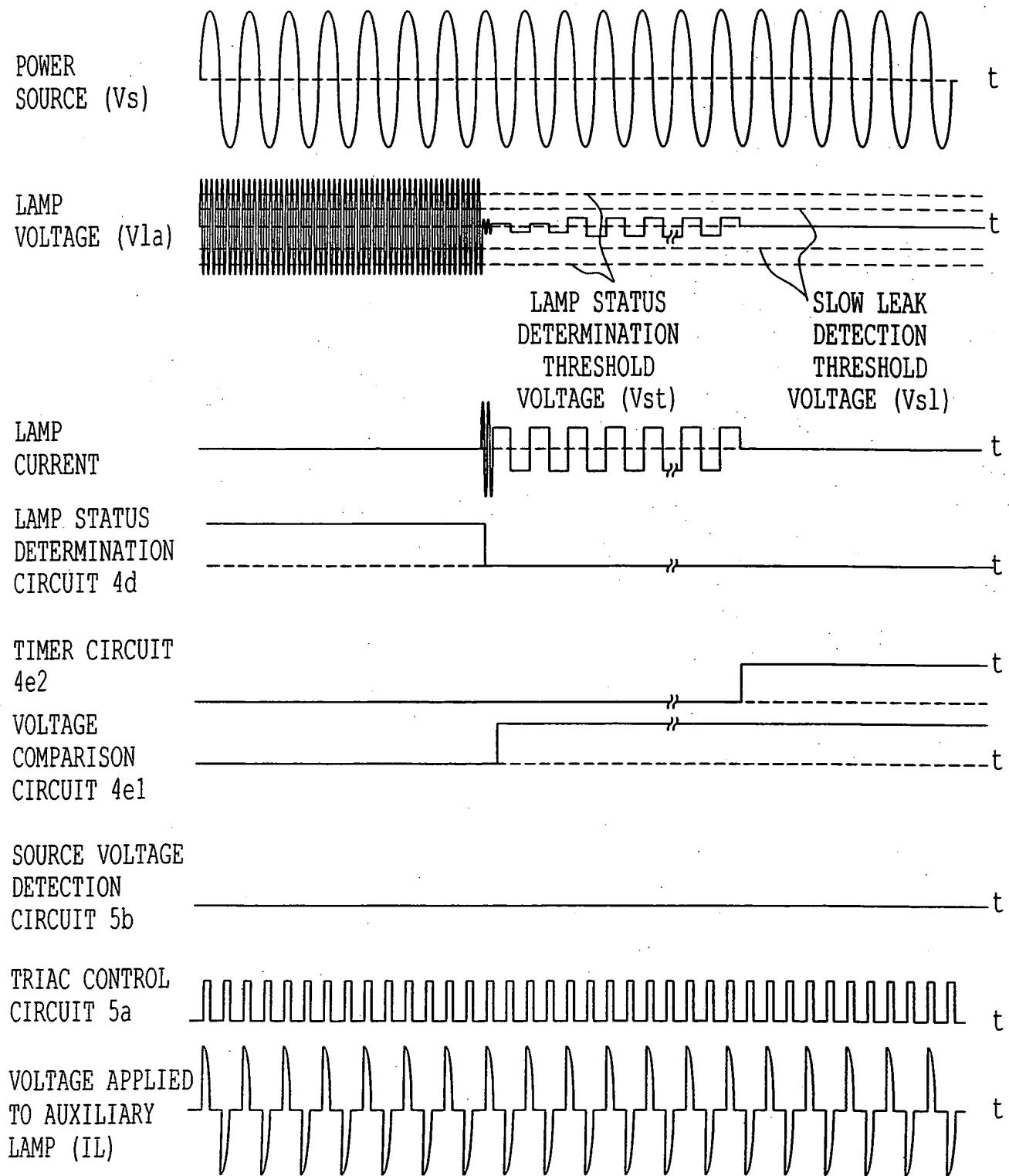


FIG. 4

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,109,659

DATED: September 19, 2006

INVENTOR(S): Takeshi KAMOI

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Please replace Fig. 4 with the corrected Fig. 4 attached herewith.

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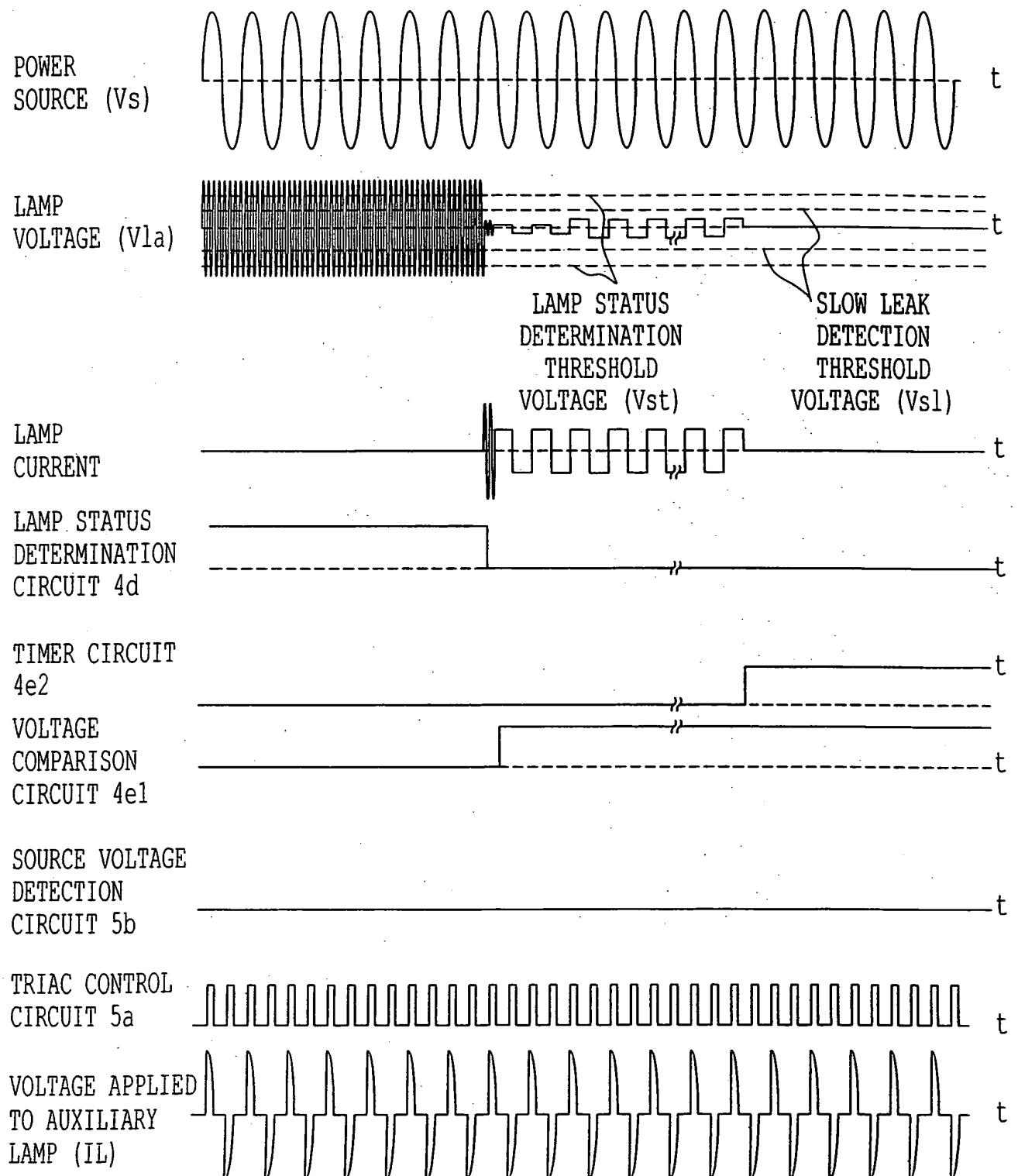


FIG. 4

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